



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: US/10/763,039  
Source: STIC  
Date Processed by STIC: 12-20-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

107631039

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .J; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino  
Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0  
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences  
(OLD RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading.)  
(a1) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8 Skipped Sequences  
(NEW RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>  
Response Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or  
scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or  
is Artificial Sequence.
- 11 Use of <220> Sequence(s) \_\_\_\_\_ missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or  
"Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 0001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0  
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence  
listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.



IFWO

## RAW SEQUENCE LISTING

DATE: 12/20/2004

PATENT APPLICATION: US/10/763,039

TIME: 12:57:35

Input Set : A:\Mod-0037.ST25.txt

Output Set: N:\CRF4\12202004\J763039.raw

3 <110> APPLICANT: Jarrell, Kevin A.  
 4 Vishwanath, Prashanth  
 5 Smith, Temple  
 6 Short, Glenn F.  
 8 <120> TITLE OF INVENTION: Alien Sequences  
 10 <130> FILE REFERENCE: 2003320-0036  
 12 <140> CURRENT APPLICATION NUMBER: 10/763,039  
 13 <141> CURRENT FILING DATE: 2004-01-22  
 15 <160> NUMBER OF SEQ ID NOS: 166  
 17 <170> SOFTWARE: PatentIn version 3.2  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 174  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Alien to Mouse cDNA  
 24 <400> SEQUENCE: 1  
 25 atggttgggg actgctctc cccagtcgga tgggccacct ctgcgtacac cccacctgat 60  
 27 ccggatgagg ccagatacac ctgtaaggct cctgaccaat tcaaaaagac acgcacctgt 120  
 29 ttgcgatccc caaagccttg cctgtcgata agtgcagagg aactcttaat gtga 174  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 651  
 34 <212> TYPE: DNA  
 35 <213> ORGANISM: Alien to Mouse cDNA  
 37 <400> SEQUENCE: 2  
 38 atggcctgca ccttggtggt agaggccccc ttgtcaaaaa ctcccgactt gactggtgac 60  
 40 ttcaatagct ccttgctctg gtcttgctc gacaataacc cggttttggg attagtgcag 120  
 42 ctcaaggtgg cctctcctc tagctataag tcggaggaaac ttgatctgga gcttccaag 180  
 44 cgagccaaga ttctggattc gatcagtggc acttggaaac tccatcttcg caaggagttc 240  
 46 cgcctcattg tgtgtatgtc gcatgcctgg aacggcgggc atgcagctga tttgaaccgg 300  
 48 tgcaaatgga agggcaagag ggcaggctgg agagggggccc cctgctttt tgctcccatg 360  
 50 caggtgacgc gcaagtgtgc accagacccc acagagcagt caggcctctt cgataactct 420  
 52 ttcttgatc actaccagag tctggcctgc atttacctag gctcccttgc ccgaaagggc 480  
 54 tcttctctga ccaaggatgg aaaggtggat ttccagggcc cttgccttcg tggtgccag 540  
 56 aattattcga acttttctca gagctcagcg tgttggaac cgctggacga ccaggaacag 600  
 58 atcgcccgte cctcagtggt ctggtgttac tatgcagcct tagtgggctg a 651  
 61 <210> SEQ ID NO: 3  
 62 <211> LENGTH: 229  
 63 <212> TYPE: DNA  
 64 <213> ORGANISM: Alien to Mouse cDNA  
 66 <400> SEQUENCE: 3  
 67 aatgccaaag ttgttaaacc tgattcgggc agtcggctgc tgtgagaaac agaccctcct 60  
 69 ggctgccgag agcctcaatg accgggagga aatctcctgt ttgttcgggc gaaacctcct 120  
 71 ccagggaatg cttctgggag acagagcaga tgacaatacc agtgaccaca cgatagtctg 180  
 73 ctacaccttc atgatccct cccacgccag gatgcctgga agtaggtag 229

Does Not Comply  
 Corrected Diskette Needed

Invalid  
 response

This response can be inserted  
 into section  
 (2207-  
 2237)

Invalid  
 response

Same error

PLS  
 see  
 item  
 # 10  
 On error  
 Summary  
 sheet.

Mandatory, <213> responses has to be either  
 Artificial/Unknown or Genus/Species.

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/763,039

DATE: 12/20/2004

TIME: 12:57:35

Input Set : A:\Mod-0037.ST25.txt

Output Set: N:\CRF4\12202004\J763039.raw

✓ Same errors

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76 <210> SEQ ID NO: 4
77 <211> LENGTH: 174
78 <212> TYPE: DNA
79 <213> ORGANISM: Alien to Mouse cDNA
81 <400> SEQUENCE: 4
82 atggaagcag agctctgttc aegaggggtc aacagacgtg acaataactaa acttccactt      60
84 tcgtctttgc cttcagcttc tctcatgat tccaagagat gtccgcgctc taagatcgct      120
86 cagctctggg acaccagggc cgacggtgag atcgattcgc gaatcttgta ctga          174
89 <210> SEQ ID NO: 5
90 <211> LENGTH: 306
91 <212> TYPE: DNA
92 <213> ORGANISM: Alien to Mouse cDNA
94 <400> SEQUENCE: 5
95 atgaactctc tgtctgaata cgagacctta aggcggacca tgctgcagag ctctaacaag      60
97 tgtaactctc tgtgccaaat tgtacaaact tgggttgagg gtggcaaggc caaggccaat      120
99 atgaatggct accagaagca tttggttcca cttcgcgttc aaatgtggga gatggcaatg      180
101 cgacttaatg gaaccagccc aatgaattc caccggcag tccagcagtg catcctggct      240
103 ccttacctaa agactttcct cagtatgcgt cctgattcgc aaacttacct ggccaagctg      300
105 agctga          306
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 156
110 <212> TYPE: DNA
111 <213> ORGANISM: Alien to Mouse cDNA
113 <400> SEQUENCE: 6
114 atgcctcgag ggcgtactct ggtatctcgt caagcatggc gaacagtgcg cggtaaggcg      60
116 ggaatgctctg ggcggtatcc aagagagagc gggacctga gtctatcgca tttttccctg      120
118 gggattatgt ctaagcggag ccaggaggag ctctga          156
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 135
123 <212> TYPE: DNA
124 <213> ORGANISM: Alien to Mouse cDNA
126 <400> SEQUENCE: 7
127 atgatgcagc cttgctccaa acaagaaaga atatgcggac ctctgactc cagcatcgag      60
129 tccgcgtacc gctcagctc tctcattct agccctgccg cgcttgctcc ggccttctct      120
131 gctgccccct gctaa          135
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 144
136 <212> TYPE: DNA
137 <213> ORGANISM: Alien to Mouse cDNA
139 <400> SEQUENCE: 8
140 atgaggcgag cctggtagt gtgccccctg gcgggaccct ggaagaacca gcggtccatt      60
142 gcctggtga aagatcttcc catgaacgcc agcgttgctc catactttat agaaaggggg      120
144 agcatcagct ggcatttctc atga          144
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 165
149 <212> TYPE: DNA
150 <213> ORGANISM: Alien to Mouse cDNA
152 <400> SEQUENCE: 9
153 atgggggtggg tcaaggccct gcagagtgaag agcggctggt ggtttgtatt ttctcagggt      60

```

See  
item  
#10  
on error  
summary  
sheet.

↑ The above is a global  
error throughout sequence.

## RAW SEQUENCE LISTING

DATE: 12/20/2004

PATENT APPLICATION: US/10/763,039

TIME: 12:57:35

Input Set : A:\Mod-0037.ST25.txt

Output Set : N:\CRF4\12202004\J763039.raw

✓ Same errors

```

155 cgagtgaagcc tgaaacccga gccgggccta gcgctggttg tacaccaggg ctttgaccaa 120
157 acagtcacag aatgtctaag cttcacagga aagcccatgt attag 165
160 <210> SEQ ID NO: 10
161 <211> LENGTH: 561
162 <212> TYPE: DNA
163 <213> ORGANISM: Alien to Mouse cDNA
165 <400> SEQUENCE: 10
166 atgatgagct tcgaacattc cgacttctcc aatgtcgagg accgcaagct cttaacggaa 60
168 gcgatgtcca caggcttcga agtaatcgag tcgccgtgca agatctgcat gccaagcttt 120
170 ggaggtaaaa caactgcgga tggcaaacctc acttccgtga ctcaggggcat gaaacactgg 180
172 tctctcacca gagctagtcc cccggaccag tcgcaaaagg gccgacccta caggagcacg 240
174 gtgcaagggg agattgaagc gggacagccc ccacatgaaa tctcctccga ctggtacccc 300
176 atgttcaaga tggaaacaga cagcccgatt aagaatgttc ccagggcaca catgggggag 360
178 ttcgggcact gcgacaatct ccccaatggc aacacagtga gcaaccggga gcctagggag 420
180 aatgggaatg tggcgccggg agtgggctta gacggacagg aagaaatggg ctggcttttg 480
182 ccggttcgtc cttcttgtat gaactatttc tttaaagcat ccactctctc cttttggatg 540
184 ggctttcttg agcgccgcta g 561
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 480
189 <212> TYPE: DNA
190 <213> ORGANISM: Alien to Mouse cDNA
192 <400> SEQUENCE: 11
193 atgggaaaaa ctgcctttga gtatgaagtg acgccccttc aagcccaagc ccgcagtttg 60
195 ggcagatccc tgaataaaaag cccggtgttc ttgttttact ctgagactac atccctgcca 120
197 gccaaaggatc tcccgtgtga gtcaggactt gctgtgagag acctgagcaa caggacacag 180
199 aacagtctag ctatgttttt ggcttcacgg gggatcaaag accctgaaat gaagatgaat 240
201 tattccatct atttggggca acccttgcaa gaaggtctgt ccccggtgca ggagaacttt 300
203 tctcaatggg aactcccact cgtggcttac atgagctttt tctgtccctt ccgtgcgggc 360
205 gaccgggggt cgatccataa tcactctctc acggctcagag cgaagattga ctactgtggt 420
207 cagcgggtgca gtgcctcaga tccaaggagg ggccctcagg actattctca aatgctctga 480
210 <210> SEQ ID NO: 12
211 <211> LENGTH: 231
212 <212> TYPE: DNA
213 <213> ORGANISM: Alien to Mouse cDNA
215 <400> SEQUENCE: 12
216 atgcgggaag agtccaagac tatctcgatc aatgggtgtga aatgggtcat tgatttgcca 60
218 gctgaaaaaa tcttcacgag gaactatggt gttgcgact gcaggagaag cttctacatc 120
220 ctgggcctgt ttggttgcca cctgggtgact ggagggtacc gaacattcat gatctacatc 180
222 ggggtccattt cttctttcat catgtatgtg ggggtccgga tcattcggtg a 231
225 <210> SEQ ID NO: 13
226 <211> LENGTH: 426
227 <212> TYPE: DNA
228 <213> ORGANISM: Alien to Mouse cDNA
230 <400> SEQUENCE: 13
231 atggtgcccc aagtgtgcca gcagtggagc ctgtgttggt cctcgggcgg gttcccaaat 60
233 cctgcaggct cttatttaga gccgtgggtc agcgacttgt ccaggagct tcagtgcccc 120
235 ggctacagcg gcttcttaag tggccccacg gattttctct ctatgggagt gtcatgtcac 180
237 ctagcacagg aatcatttcg gttcccactg caggatgatt gcctcctgac caagatgcac 240
239 aggttgaaag atttctggga ctccaccagc aggtttaagc agctgggcga atctgaggcc 300

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DATE: 12/20/2004

PATENT APPLICATION: US/10/763,039

TIME: 12:57:35

Input Set : A:\Mod-0037.ST25.txt

Output Set: N:\CRF4\12202004\J763039.raw

✓ Same errors

```

241 cctcagcaga ttcgcaagaa aaaatcatcg tttagtttct ggggctcatc ggagaactct 360
243 gcgcccgcga ccgaaaatac cagcaagaag tcccaggatt ctttctttga tgccatctc 420
245 aagtga 426
248 <210> SEQ ID NO: 14
249 <211> LENGTH: 192
250 <212> TYPE: DNA
251 <213> ORGANISM: Alien to Mouse cDNA
253 <400> SEQUENCE: 14
254 atgggtgtgt cgatggctag cttcatgctc tttcttgccc tcttggatgc agagggagaa 60
256 agcttcatgt cttggcatct cagcagccct ggaacagccg tggaccgaac ggcccaaagt 120
258 tttattcact tcagaatgat ggggtcaatc ttcagtgtta cctgacgct tgaagtcatg 180
260 cggctctctgt ga 192
263 <210> SEQ ID NO: 15
264 <211> LENGTH: 351
265 <212> TYPE: DNA
266 <213> ORGANISM: Alien to Mouse cDNA
268 <400> SEQUENCE: 15
269 atgacaatgg aaacaggag qcacccggc atgaaggacc aagcccttga cgaatgcgaa 60
271 cggctcatgt ggcgggtccc ttcttggccc tgggagagtt cttgttctca tctgtctgat 120
273 gagggagatg tatcggctact gctggaacag ttccggcacc agactgaaca gctcccgccc 180
275 atgagctact ttttgacaa gccaaagctg tcttcgttcc aggaagagcc acggtgtgg 240
277 gtgactttat gccaggagac attgccattt cccctgggta attctgggta tgatgagcag 300
279 gaagaggagg gctgtgtct ggtctgtccg ttgccagac ttcagacatg a 351
282 <210> SEQ ID NO: 16
283 <211> LENGTH: 153
284 <212> TYPE: DNA
285 <213> ORGANISM: Alien to Mouse cDNA
287 <400> SEQUENCE: 16
288 atgggtaaaa tcaatsacac cacatcgaca cctaccttga gcactttaaa aatccccaca 60
290 tttgaggcct tacgcccgt actatgccc agactggatc ccccaacctc gtctgtccgc 120
292 ctggcatttg aaggccagtc tcagaaattg tag 153
295 <210> SEQ ID NO: 17
296 <211> LENGTH: 324
297 <212> TYPE: DNA
298 <213> ORGANISM: Alien to Mouse cDNA
300 <400> SEQUENCE: 17
301 atggttcgca aggttgtca caatgttctg tatgagacca tgggtcagaa agctgactca 60
303 aagtggggaa ccagaaagaa gcagccacaa gggacccgcc tgagcaaacc ttgcaccacg 120
305 gtggtggagt ggctgtctgc cttcatgtac cgatcccgca agaaactgac gagccgcttc 180
307 tatctgaaac ctaacatgtc ttccggttct atccgctacg gagagcggca accactcttt 240
309 ttggacagcc tgctttggtc cgacagtgga aagggagcct ttgcctctcg caaatgtctc 300
311 tatgctaaat cattttttga ctga 324
314 <210> SEQ ID NO: 18
315 <211> LENGTH: 450
316 <212> TYPE: DNA
317 <213> ORGANISM: Alien to Mouse cDNA
319 <400> SEQUENCE: 18
320 atgagcaact acctccacat tcttccccg gagtcgggtcc ataacacctt tcctttgtgg 60
322 gtccatattg ctcaagcaaa gttcggtcac ctacaagcct tgttaaagcg cgagagtggg 120

```

## RAW SEQUENCE LISTING

DATE: 12/20/2004

PATENT APPLICATION: US/10/763,039

TIME: 12:57:35

Input Set : A:\Mod-0037.ST25.txt

Output Set : N:\CRF4\12202004\J763039.raw

✓ SAME  
errors

```

324 tttgaagcca acaccgcgaa tgctgggccc ctaggcccc gcacacgcga tgacactcgc 180
326 aatatccttt tgactggatt gttcctctcc ctgaccaaga agtgtggatg tgtccagtta 240
328 cagtgtggcc gacagagtag cctcgatgcc aaaatgccat gtgaccagca ctatagaaag 300
330 gtgcagtcctg cctcagcca gggctcgcag atgggtgggtg cgtgggtgaa gcagaaagca 360
332 agccaggaga ttgcccgggtg gctccacagc agcagccttc aagagcaggc cttggatgga 420
334 tcatccaact tcgccactct gtccgtttaa 450

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337 &lt;210&gt; SEQ ID NO: 19

338 &lt;211&gt; LENGTH: 720

339 &lt;212&gt; TYPE: DNA

340 &lt;213&gt; ORGANISM: Alien to Mouse cDNA

342 &lt;400&gt; SEQUENCE: 19

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343 atgcggagaa ttaagtttga gttcaagaaa ataccttctg ttcgtttgta cgggttcttc 60
345 ttcggttctt gggctaagat ttctaccctg gcatttgtgg aggacacctt tacctatgcc 120
347 ttctggatgg aaggagcagg ctctactctt gtctcagctg actgcattac tccccggacc 180
349 tttaggagtc cacttgccaa ggaccgcgtg gcttgggcgc tcttggatct tgtgcgggca 240
351 aaaactcaag aagcgcggac gaactcagct ttgtccttga agtgctccct gcctgatttt 300
353 ggtccactcg gggagatcaa cagagcccag gcctctgaag gccagcagac ctttggtctc 360
355 tttgagaagc cgtcagagca tgtcctaaca gcaaagaatc agctccagggt gatcataagt 420
357 tatcccttct gctatctgct catcataccg gaacgtccat tcgacagtag caatatgtcc 480
359 ttgttcagta agccaagggt gccggccttg gaagtgattg gagtacgcct caagaccag 540
361 atgctagtcg cgcctttcag tgagttccag ctatattccc gtgcatttct cagagaaatca 600
363 gatttgtctg agagctccct ctgggtgacg atctcttttg acacggcgaa tctgtcttat 660
365 gtccaagcgg ctgaggaaga gtgttcattg agaagtcccc tggtttacac gtggtcttga 720

```

368 &lt;210&gt; SEQ ID NO: 20

369 &lt;211&gt; LENGTH: 465

370 &lt;212&gt; TYPE: DNA

371 &lt;213&gt; ORGANISM: Alien to Mouse cDNA

373 &lt;400&gt; SEQUENCE: 20

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374 atggggatga tgctcaactt ttgtctgaga atctactcca gcagaaaggg agacgccatc 60
376 atgtctggcc cttctgggtc tttccttaga aaaaagagtg tgccctacca aacctggcga 120
378 gcggagcagt ctgtaagggt aagcgtgtgc tctcgcagt tttactccca gaccatcttg 180
380 cgttggcggc cccaggatgc cgaacacagag agacagagga gaagcggctt caagctggcc 240
382 atgatggcag cgggcaagtg ccagcctgtg aacgacccca cctcttgctc ttatgaagct 300
384 tacctaaggc ccatctggaa tggatgagc tttcttgatt ggctgatctt tgtccccatg 360
386 aaccttgggtg gacacagaca cagcacctcc ctgagcgcga acaaggtcac gtccatttac 420
388 aaggaatatg caggtatctt cacctgctcg tctaccagag gctga 465

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391 &lt;210&gt; SEQ ID NO: 21

392 &lt;211&gt; LENGTH: 216

393 &lt;212&gt; TYPE: DNA

394 &lt;213&gt; ORGANISM: Alien to Mouse cDNA

396 &lt;400&gt; SEQUENCE: 21

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397 atgcagtact gcgcagctgc cgcttccaag ctgttcccag ccttgccgtt aaggggcccaa 60
399 accctcagac actacctaaa tgtggcccta cacaagtctg cctcctggg agatctggcc 120
401 tggcggcgga actcggcagg gggccagggc tttatgactc tagggccaaa agagattctg 180
403 ccagctcagg tggccccagg tggagagttt ggatga 216

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406 &lt;210&gt; SEQ ID NO: 22

407 &lt;211&gt; LENGTH: 1188

408 &lt;212&gt; TYPE: DNA

409 &lt;213&gt; ORGANISM: Alien to Mouse cDNA

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/763,039

DATE: 12/20/2004  
TIME: 12:57:36

Input Set : A:\Mod-0037.ST25.txt  
Output Set: N:\CRF4\12202004\J763039.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:100; Line(s) 1901  
Seq#:101; Line(s) 1912  
Seq#:102; Line(s) 1923  
Seq#:103; Line(s) 1934  
Seq#:104; Line(s) 1945  
Seq#:105; Line(s) 1956  
Seq#:106; Line(s) 1967  
Seq#:107; Line(s) 1978  
Seq#:108; Line(s) 1989  
Seq#:109; Line(s) 2000  
Seq#:110; Line(s) 2011  
Seq#:111; Line(s) 2022  
Seq#:112; Line(s) 2033  
Seq#:113; Line(s) 2044  
Seq#:114; Line(s) 2055  
Seq#:115; Line(s) 2066  
Seq#:116; Line(s) 2077  
Seq#:117; Line(s) 2088  
Seq#:118; Line(s) 2099  
Seq#:119; Line(s) 2110  
Seq#:120; Line(s) 2121  
Seq#:121; Line(s) 2132  
Seq#:122; Line(s) 2143  
Seq#:123; Line(s) 2154  
Seq#:124; Line(s) 2165  
Seq#:125; Line(s) 2176  
Seq#:126; Line(s) 2187  
Seq#:127; Line(s) 2198  
Seq#:128; Line(s) 2209  
Seq#:129; Line(s) 2220  
Seq#:130; Line(s) 2231  
Seq#:131; Line(s) 2242  
Seq#:132; Line(s) 2253  
Seq#:133; Line(s) 2264  
Seq#:134; Line(s) 2275  
Seq#:135; Line(s) 2286  
Seq#:136; Line(s) 2297  
Seq#:137; Line(s) 2308  
Seq#:138; Line(s) 2319  
Seq#:139; Line(s) 2330  
Seq#:140; Line(s) 2341  
Seq#:141; Line(s) 2352  
Seq#:142; Line(s) 2363



**RAW SEQUENCE LISTING ERROR SUMMARY**  
PATENT APPLICATION: US/10/763,039

DATE: 12/20/2004  
TIME: 12:57:36

Input Set : A:\Mod-0037.ST25.txt  
Output Set: N:\CRF4\12202004\J763039.raw

Seq#:143; Line(s) 2374  
Seq#:144; Line(s) 2385  
Seq#:145; Line(s) 2396  
Seq#:146; Line(s) 2407  
Seq#:147; Line(s) 2418  
Seq#:149; Line(s) 2436  
Seq#:150; Line(s) 2447  
Seq#:151; Line(s) 2456

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/763,039

DATE: 12/20/2004

TIME: 12:57:36

Input Set : A:\Mod-0037.ST25.txt

Output Set: N:\CRF4\12202004\J763039.raw